

Serial No. 10/664,442

PATENT

New Atty Docket No.: 67267-5018

Amendments to the Claims

This Listing of Claims replaces all prior versions, and listings, of claims in this application.

1. (Previously Presented) A hair dye comprising:

a water based hair dye including at least one of an oxidative dye, acidic dye and coloring dye; and

a powder of about 0.01% to 20.0% of the weight of the hair dye, said powder comprising a silicon dioxide based poly-element mineral selected from the group consisting of perlite, pitchstone and tourmaline.

2. (Previously Presented) The hair dye of claim 1, wherein the hair dye further comprises an oxidative dye of about 0.01% to 5.0% of the weight of the hair dye, the oxidative dye comprising a compound from the group consisting of: 5-amino ortho cresol, ortho amino phenol, ortho chloro para-phenylene diamine, 2,4 diamino phenol, 2,6-diamino pyridine, 4,4'-diamino diphenyl amine, 1,5-dihydroxy naphthalene, diphenyl amine, toluene-2,5-diamine, toluene-3,4-diamine, para-amino phenol, para-phenylene diamine, para-methyl amino phenol, N-phenyl para-phenylene diamine, meta amino phenyl, meta phenylene diamine, resorcin, 2,4-diamino phenoxy ethanol, and salts thereof.

3. (Previously Presented) The hair dye of claim 1, wherein the hair dye further comprises an acidic dye of about 0.01% to 5.0% by weight of the hair dye, the acidic dye comprising a compound from the group consisting of: 1-(4-sulfo-1-naphthylazo)-2-naphthol-3,6-disulfonic acid trisodium salt, 9-ortho carboxy phenyl-6-hydroxy-2,4,5,7-tetraiodo-3-iso xantone disodium salt, 1-(4-sulfo-1-naphthylazo)-2-naphthol-6,8-disulfonic acid trisodium salt, 9-(4'-sulfo-2'-sulfonium phenyl)-6-diethyl amino-3-(N,N-dithyl imino)-3-iso xanthyl monosodium salt, 3-carboxyl-5-hydroxy-1-para-sulfonyl-4-para-sulfonyl azo pyrazol trisodium salt, 3-carboxy-5-hydroxy-1-para-sulfonyl-4-para-sulfonyl azo pyrazol disodium salt, 1-para-sulfonyl azo-2-naphthol-6-sulfonic acid disodium salt, 4-[[4-(N-ethyl-meta sulfo benzyl amino)-phenyl]-(2-sulfonium phenyl)-

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methylene}-[1-(N-ethyl-N-meta sulfo benzyl)-D2,5-cyclohexadiene imine] disodium salt, 1-para-sulfo phenyl azo-2-naphthol monosodium salt, 9-ortho carboxy phenyl-hydroxy-3-iso xanthone disodium salt, 1-hydroxy-3,6,8-pyrene trisulfonic acid trisodium salt, 4-[[4-(N-ethyl-benzyl amino)-phenyl]-(5-hydroxy-4-sulfo-2-sulfophenyl)-methylene]-(N-ethyl-Nbenzyl-D2,5-cyclohexadiene imine) monosodium salt, 2,4-dinitro-1-naphthol-7-sulfonic acid disodium salt, 1-hydroxy-4-(ortho sulfo para-tolueno)-anthraquinone monosodium salt and 8-amino-7-para-nitro phenyl azo-2-phenyl azo-1-naphthol-3,6-sulfonic acid disodium salt.

4. (Previously Presented) The hair dye of claim 1, wherein the hair dye further comprises a coloring dye of about 0.01% to 5.0% by weight of the hair dye, the coloring dye comprising a compound selected from the group consisting of: 2-nitro para-phenylene diamine, 4-nitro ortho phenylene diamine, 1-amino-2-methyl-6-nitro benzene, 1-amino-2-nitro-4-methyl amino benzene, 4-(2'-hydroxy ethyl)amino-3-nitro-methyl benzene, 1-bis(b-hydroxy ethyl) amino-3-nitro-4-amino benzene, 1-amino-2-(b-hydroxy ethyl)amino-5-nitro benzene, 1-hydroxy-3-nitro-4-(3-hydroxy propyl amino) benzene, N,N'-dimethyl-N-hydroxy ethyl-3-nitro para-phenylene diamine, N-methyl-2-nitro para-phenylene diamine, 3-methyl amino-4-nitro phenoxy ethanol, 2-nitro-5-glyceryl-methyl amine, 1-amino-3-methyl-4-(b-hydroxy ethyl)amino-6-nitro benzene and salts thereof.

5. (Previously Presented) The hair dye of Claim 4, wherein the coloring dye further comprises a compound selected from the group consisting of: Basic Red 76 (C.I. 12245), Basic Brown 16 (C.I. 12250), Basic Brown 17 (C.I. 12251), Basic Yellow (C.I. 12719), Basic Violet 10 (C.I. 45170) and Basic Blue 99 (C.I. 56059).

6. (Previously Presented) A method of enhancing the coloring of hair by a hair dye, the method comprising:

mixing a water based hair dye with a powder of about 0.01% to 20.0% of the weight of the hair dye, the powder comprising at least one of a silicon dioxide based poly-element mineral selected from the group consisting of perlite, pitchstone or tourmaline; and

applying the hair dye and powder composition to hair.

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7. (Previously Presented) The method of Claim 6, wherein the method further includes mixing an aqueous solution containing hydrogen peroxide and salicylic acid with the hair dye and powder composition before applying the aqueous solution to hair.
8. (New) A hair dye, comprising:
a water based hair dye including at least one of an oxidative dye, acidic dye and coloring dye; and
a powder of about 0.01% to 20.0% of the weight of the hair dye, said powder comprising perlite or pitchstone.
9. (New) The hair dye of claim 8, wherein the hair dye further comprises an oxidative dye of about 0.01% to 5.0% of the weight of the hair dye, the oxidative dye comprising a compound from the group consisting of: 5-amino ortho cresol, ortho amino phenol, ortho chloro para-phenylene diamine, 2,4-diamino phenol, 2,6-diamino pyridine, 4,4'-diamino diphenyl amine, 1,5-dihydroxy naphthalene, diphenyl amine, toluene-2,5-diamine, toluene-3,4-diamine, para-amino phenol, para-phenylene diamine, para-methyl amino phenol, N-phenyl para-phenylene diamine, meta amino phenyl, meta phenylene diamine, resorcin, 2,4-diamino phenoxy ethanol, and salts thereof.
10. (New) The hair dye of claim 8, wherein the hair dye further comprises an acidic dye of about 0.01% to 5.0% by weight of the hair dye, the acidic dye comprising a compound from the group consisting of: 1-(4-sulfo-1-naphthylazo)-2-naphthol-3,6-disulfonic acid trisodium salt, 9-ortho carboxy phenyl-6-hydroxy-2,4,5,7-tetraiodo-3-iso xantone disodium salt, 1-(4-sulfo-1-naphthylazo)-2-naphthol-6,8-disulfonic acid trisodium salt, 9-(4'-sulfo-2'-sulfonium phenyl)-6-diethyl amino-3-(N,N-dithyl imino)-3-iso xanthyl monosodium salt, 3-carboxyl-5-hydroxy-1-para-sulfonyl-4-para-sulfonyl azo pyrazol trisodium salt, 3-carboxy-5-hydroxy-1-para-sulfonyl-4-para-sulfonyl azo pyrazol disodium salt, 1-para-sulfonyl azo-2-naphthol-6-sulfonic acid disodium salt, 4-[[4-(N-ethyl-meta sulfo benzyl amino)-phenyl]-(2-sulfonium phenyl)-methylene]-[1-(N-ethyl-N-meta sulfo benzyl)-D2,5-cyclohexadiene imine] disodium salt, 1-para-sulfo phenyl azo-2-naphthol monosodium salt, 9-ortho carboxy phenyl-hydroxy-3-iso xanthone disodium salt, 1-hydroxy-3,6,8-pyrene trisulfonic acid trisodium salt, 4-[[4-(N-ethyl-benzyl amino)-

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phenyl]-(5-hydroxy-4-sulfo-2-sulfophenyl)-methylene)-(N-ethyl-Nbenzyl-D2,5-cyclohexadiene imine) monosodium salt, 2,4-dinitro-1-naphthol-7-sulfonic acid disodium salt, 1-hydroxy-4-(ortho sulfo para-tolueno)-anthraquinone monosodium salt and 8-amino-7-para-nitro phenyl azo-2-phenyl azo-1-naphthol-3,6-sulfonic acid disodium salt.

11. (New) The hair dye of claim 8, wherein the hair dye further comprises a coloring dye of about 0.01% to 5.0% by weight of the hair dye, the coloring dye comprising a compound selected from the group consisting of: 2-nitro para-phenylene diamine, 4-nitro ortho phenylene diamine, 1-amino-2-methyl-6-nitro benzene, 1-amino-2-nitro-4-methyl amino benzene, 4-(2'-hydroxy ethyl)amino-3-nitro-methyl benzene, 1-bis(b-hydroxy ethyl) amino-3-nitro-4-amino benzene, 1-amino-2-(b-hydroxy ethyl)amino-5-nitro benzene, 1-hydroxy-3-nitro-4-(3-hydroxy propyl amino) benzene, N,N'-dimethyl-N-hydroxy ethyl-3-nitro para-phenylene diamine, N-methyl-2-nitro para-phenylene diamine, 3-methyl amino-4-nitro phenoxy ethanol, 2-nitro-5-glyceryl-methyl amine, 1-amino-3-methyl-4-(b-hydroxy ethyl)amino-6-nitro benzene and salts thereof.

12. (New) The hair dye of claim 11, wherein the coloring dye further comprises a compound selected from the group consisting of: Basic Red 76 (C.I. 12245), Basic Brown 16 (C.I. 12250), Basic Brown 17 (C.I. 12251), Basic Yellow (C.I. 12719), Basic Violet 10 (C.I. 45170) and Basic Blue 99 (C.I. 56059).